

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20040258420"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/05 15:49
S2	49	keyvan near2 sayyah	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/03 17:46
S3	56	("20010038313"   "20020021464"   "20020122615"   "20030003961"   "20030080898"   "20030089843"   "20030090767"   "20030091097"   "20030197917"   "20030227629"   "20040120638"   "20040264977"   "20050013612"   "4028702"   "4296319"   "5001336"   "5153762"   "5383198"   "5404006"   "5428814"   "5504774"   "5577057"   "5617239"   "5625729"   "5687261"   "5710651"   "5723856"   "5777778"   "5796506"   "5859611"   "5861845"   "5917179"   "5917970"   "5930031"   "5933113"   "5999128"   "6027254"   "6061369"   "6178036"   "6188808"   "6195187"   "6215592"   "6262681"   "6348890"   "6388787"   "6452546"   "6580532"   "6591026"   "6643299"   "6724523"   "6724783"   "6731829"   "6852556"   "6867904"   "6872985"   "6940878").PN. OR ("7085499").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:00

## EAST Search History

S4	75	("0013612" "0197917" "20010038313" "20020021464" "20020122615" "20030003961" "20030080898" "20030089843" "20030090767" "20030091097" "20030197917" "20030227629" "20040120638" "20040264977" "20050013612" "0227629" "4028702" "4296319" "5001336" "5153762" "5379309" "5383198" "5404006" "5428814" "5504774" "5577057" "5617239" "5625729" "5687261" "5710651" "5723856" "5777778" "5796506" "5859611" "5861845" "5917179" "5917970" "5929430" "5930031" "5933113" "5999128" "6027254" "6061369" "6178036" "6178036" "6188808" "6188808" "6195187" "6215592" "6262681" "6262681" "6348890" "6388787" "6388787" "6388787" "6452546" "6580532" "6580532" "6591026" "6591026" "6643299" "6643299" "6724523" "6724523" "6724783" "6731829" "6852556" "6852556" "6867904" "6867904" "6872985" "6872985" "6940878" "0696607" "7085499" "0766103" "0089843" "0090767" "0091097").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 15:49
S5	2	S4 and mitra	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:27
S6	1	"6724783".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:27
S7	1	"6580532".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:28
S8	1	"6359913".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:30
S9	1	"6580851".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:31
S10	61	S4 not HRL	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:50
S11	54	"398"/\$7.ccls. and optic\$4 near5 comb near5 generat\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:54
S12	35	optic\$4 near5 comb near5 generat\$5 and (injection near4 lock\$4 or injection?lock\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:55

## EAST Search History

S13	111	optic\$4 near5 comb near5 generat\$5 and (injection near4 lock\$4 or injection?lock\$4 or lock\$4 near2 laser\$1 or inject\$5 near2 laser\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:14
S14	99	S13 not hrl	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:56
S15	73	S14 and (mux or multiplex\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 18:56
S16	5	("3746879"   "5062112"   "5436757"   "6154310").PN. OR ("6924924"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 19:09
S17	28	("4707061"   "4861136").PN. OR ("4989201").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 19:13
S18	22	("4625305"   "4658394"   "4791630"   "4945531"   "4989201"   "5153933"   "5224183"   "5226053"   "5267256"   "5347525"   "5452116"   "5481399"   "5548603").PN. OR ("5663822"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 19:17
S19	8	("4989201"   "5016242").PN. OR ("5365361").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/03 19:19
S20	1	"5723856".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 10:54
S21	1	"5777778".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 11:09
S22	1	"20040258420"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 13:23

## EAST Search History

S23	35	(US-20030227629-\$ or US-20030197917-\$ or US-20030003961-\$ or US-20020021464-\$ or US-20040018018-\$ or US-20060269295-\$ or US-20050018724-\$ or US-20030223757-\$ or US-20030142320-\$ or US-20030039015-\$ or US-20030002100-\$ or US-20020154355-\$).did. or (US-7085499-\$ or US-6452546-\$ or US-6061369-\$ or US-6724783-\$ or US-6580532-\$ or US-7024122-\$ or US-6924924-\$ or US-6798796-\$ or US-6487329-\$ or US-5723856-\$ or US-5374935-\$ or US-4989201-\$ or US-6466346-\$ or US-6631019-\$ or US-6381047-\$ or US-6323976-\$ or US-5663822-\$ or US-5589970-\$ or US-5365361-\$ or US-6954422-\$ or US-5956166-\$ or US-5016242-\$ or US-5777778-\$).did.	US-PGPUB; USPAT.	OR	ON	2007/01/04 11:41
S24	75	("0013612" "0197917" "2001003831 3" "20020021464" "20020122615" " 20030003961" "20030080898" "200 30089843" "20030090767" "200300 91097" "20030197917" "200302276 29" "20040120638" "20040264977" " "20050013612" "0227629" "402870 2" "4296319" "5001336" "5153762"  "5379309" "5383198" "5404006" " 5428814" "5504774" "5577057" "56 17239" "5625729" "5687261" "5710 651" "5723856" "5777778" "579650 6" "5859611" "5861845" "5917179"  "5917970" "5929430" "5930031" " 5933113" "5999128" "6027254" "60 61369" "6178036" "6178036" "6188 808" "6188808" "6195187" "621559 2" "6262681" "6262681" "6348890"  "6388787" "6388787" "6388787" " 6452546" "6580532" "6580532" "65 91026" "6591026" "6643299" "6643 299" "6724523" "6724523" "672478 3" "6724783" "6731829" "6852556"  "6852556" "6867904" "6867904" " 6872985" "6872985" "6940878" "06 96607" "7085499" "0766103" "0089 843" "0090767" "0091097").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 11:41
S25	99	S23 or S24	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 11:41

## EAST Search History

S26	43	S25 and (optic\$5 near2 heterodyn\$5 or ocg or comb\$3 near2 generat\$5 or optical\$4 near4 comb\$3 or injection?lock\$4 or inject\$6 near2 lock\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 11:52
S27	35	S26 not hrl	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 11:54
S28	1	S22 and carrier	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 13:24
S29	1	S22 and ssb	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 13:45
S30	77	balanced near7 heterodyn\$6 near5 (detect\$6 or receiv\$5) same (pd or pd or photo?diode or photodiode or light near5 sens\$6 or photodetector or transducer or optical or optic\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:00
S31	5	("5194847"   "5686986"   "6043921"   "6173091"   "6285806").PN. OR ("7030971").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 13:55
S32	4	("6259529"   "6400479").PN. OR ("6515276").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 13:56
S33	3	heterodyn\$6 near5 (detect\$6 or receiv\$5) same (pd or pd or photo?diode or photodiode or light near5 sens\$6 or photodetector or transducer or optical or optic\$1) same filter\$4 near5 (bank or array or switch\$5) same (mixer or mixing or mixed or mix or mixes)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:02
S34	14	heterodyn\$6 near5 (detect\$6 or receiv\$5) same (pd or pd or photo?diode or photodiode or light near5 sens\$6 or photodetector or transducer or optical or optic\$1) same filter\$4 near5 (bank or array or switch\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:03
S35	4	(detect\$6 or receiv\$5) same (pd or pd or photo?diode or photodiode or light near5 sens\$6 or photodetector or transducer or optical or optic\$1) same filter\$4 near5 (bank or array or switch\$5) same mm?wave	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:04

## EAST Search History

S36	10	(detect\$6 or receiv\$5) same (pd or pd or photo?diode or photodiode or light near5 sens\$6 or photodetector or transducer or optical or optic\$1) same filter\$4 near5 (bank or array or switch\$5) same (mm near2 wave or millimeter near4 wave or mm?wave)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:06
S37	5052	(detect\$6 or receiv\$5) same (pd or pd or photo?diode or photodiode or light near5 sens\$6 or photodetector or transducer or optical or optic\$1) same filter\$4 near5 (bank or array or switch\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:24
S38	211	(detect\$6 or receiv\$5) same (pd or pd or photo?diode or photodiode or light near5 sens\$6 or photodetector or transducer or optical or optic\$1) same filter\$4 near5 (bank or array or switch\$5) same (mixer or mixing or mixed or mix or mixes)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:13
S39	210	S38 not hrl	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:13
S40	12	((ocg or optic\$4 near5 comb near5 generat\$5) or (injection near4 lock\$4 or injection?lock\$4 or lock\$4 near2 laser\$1 or inject\$5 near2 laser\$1) or (mm?wave or rf near2 switch\$5 or radiofrequency near2 switch\$3 or rf?mm or radiofrequency near4 millimeter or millimeter near4 wave)) and S39	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:17
S41	110	(detect\$6 or receiv\$5) same (pd or pd or photo?diode or photodiode or light near5 sens\$6 or photodetector or transducer or optical or optic\$1) same filter\$4 near5 (bank or array or switch\$5) and (mm?wave or rf near2 switch\$5 or radiofrequency near2 switch\$3 or rf?mm or radiofrequency near4 millimeter or millimeter near4 wave)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:25
S42	1	"7139545".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:26
S43	5	("20030194978"   "20050003785"   "4422053"   "4695842"   "5307071").PN. OR ("7139545").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:29

## EAST Search History

S44	5	("20030194978" "20050003785" "4422053" "4695842" "5307071").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 14:29
S45	778	(fiber or optic\$4) near5 (mm?wave or rf?mm or radiofrequency near4 millimeter or millimeter near4 wave)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/04 16:43
S46	53	(fiber or optic\$4) near5 (mm?wave or rf?mm or radiofrequency near4 millimeter or millimeter near4 wave) and (filter near3 bank or filter near3 array or filter near3 switch\$6)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/04 17:11
S47	35	(US-20030227629-\$ or US-20030197917-\$ or US-20030003961-\$ or US-20020021464-\$ or US-20040018018-\$ or US-20060269295-\$ or US-20050018724-\$ or US-20030223757-\$ or US-20030142320-\$ or US-20030039015-\$ or US-20030002100-\$ or US-20020154355-\$).did. or (US-7085499-\$ or US-6452546-\$ or US-6061369-\$ or US-6724783-\$ or US-6580532-\$ or US-7024122-\$ or US-6924924-\$ or US-6798796-\$ or US-6487329-\$ or US-5723856-\$ or US-5374935-\$ or US-4989201-\$ or US-6466346-\$ or US-6631019-\$ or US-6381047-\$ or US-6323976-\$ or US-5663822-\$ or US-5589970-\$ or US-5365361-\$ or US-6954422-\$ or US-5956166-\$ or US-5016242-\$ or US-5777778-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/04 17:11

## EAST Search History

S48	75	("0013612" "0197917" "20010038313" "20020021464" "20020122615" "20030003961" "20030080898" "20030089843" "20030090767" "20030091097" "20030197917" "20030227629" "20040120638" "20040264977" "20050013612" "0227629" "4028702" "4296319" "5001336" "5153762" "5379309" "5383198" "5404006" "5428814" "5504774" "5577057" "5617239" "5625729" "5687261" "5710651" "5723856" "5777778" "5796506" "5859611" "5861845" "5917179" "5917970" "5929430" "5930031" "5933113" "5999128" "6027254" "6061369" "6178036" "6178036" "6188808" "6188808" "6195187" "6215592" "6262681" "6262681" "6348890" "6388787" "6388787" "6388787" "6452546" "6580532" "6580532" "6591026" "6591026" "6643299" "6643299" "6724523" "6724523" "6724783" "6731829" "6852556" "6852556" "6867904" "6867904" "6872985" "6872985" "6940878" "0696607" "7085499" "0766103" "0089843" "0090767" "0091097").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 17:11
S49	99	S47 or S48	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/04 17:11
S50	13	S49 and yao	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/04 17:20
S51	1	"20030002100"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/05 09:27
S52	336	398/115.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/05 09:27



## EAST Search History

S53	75	("0013612" "0197917" "20010038313" "20020021464" "20020122615" "20030003961" "20030080898" "20030089843" "20030090767" "20030091097" "20030197917" "20030227629" "20040120638" "20040264977" "20050013612" "0227629" "4028702" "4296319" "5001336" "5153762" "5379309" "5383198" "5404006" "5428814" "5504774" "5577057" "5617239" "5625729" "5687261" "5710651" "5723856" "5777778" "5796506" "5859611" "5861845" "5917179" "5917970" "5929430" "5930031" "5933113" "5999128" "6027254" "6061369" "6178036" "6178036" "6188808" "6188808" "6195187" "6215592" "6262681" "6262681" "6348890" "6388787" "6388787" "6388787" "6452546" "6580532" "6580532" "6591026" "6591026" "6643299" "6643299" "6724523" "6724523" "6724783" "6731829" "6852556" "6852556" "6867904" "6867904" "6872985" "6872985" "6940878" "0696607" "7085499" "0766103" "0089843" "0090767" "0091097").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 15:49
S54	61	S53 not hrl	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 15:52
S55	394	398/115.ccls. or 398/116.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 15:52
S56	1	S55 and unmodulated with reference	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 15:53
S57	283	398/91.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 15:57
S58	213	S57 and (unmodulat\$5 or un?modulat\$5 or no\$1 modulat\$5 or reference) with (mix\$4 or detect\$5 or receiv\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 16:05
S59	203	S57 and (unmodulat\$5 or un?modulat\$5 or no\$1 modulat\$5 or reference) near10 (mix\$4 or detect\$5 or receiv\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 16:06
S60	186	S57 and (unmodulat\$5 or un?modulat\$5 or no\$1 modulat\$5) near10 (mix\$4 or detect\$5 or receiv\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 16:06

## EAST Search History

S61	35	S57 and (unmodulat\$5 or un?modulat\$5 or no\$1 modulat\$5) near10 (mix\$4 or detect\$5 or receiv\$5) same reference	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 17:19
S62	1	"20040258420"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 17:20
S63	123	(subcarrier near3 mux or subcarrier near3 multiplex\$3 or scm) with (radio?freq\$6 or radiofreq\$6 or rf or rf?mm or mm?wave or rf near3 wave or mm near2 rf or millimeter near2 wave or millimeter?wave or millimeter near2 rf)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/05 18:14
S64	1	"20050018724"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 15:37
S65	7717	frequency?shift\$5 or frequency near3 shift\$5 with (reference or unmodulated or un?modulated or no\$1 near3 modulated)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 15:50
S66	3299	frequency?shift\$5 or frequency near3 shift\$5 with (reference or unmodulated or un?modulated or no\$1 near3 modulated) and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 15:40
S67	3212	frequency?shift\$5 or frequency near3 shift\$5 with (unmodulated or un?modulated or no\$1 near3 modulated) and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 15:40
S68	3202	frequency?shift\$5 or frequency near3 shift\$5 with (unmodulated or un?modulated or no\$1 near3 modulated) with reference and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 15:41
S69	3202	frequency?shift\$5 or frequency near3 shift\$5 with (unmodulated or un?modulated) with reference and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 15:41
S70	1	(frequency?shift\$5 or frequency near3 shift\$5) with (unmodulated or un?modulated or no\$1 near3 modulated) with reference and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 15:42
S71	10	(frequency?shift\$5 or frequency near3 shift\$5) with (unmodulated or un?modulated or no\$1 near3 modulated) with reference	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 15:42

## EAST Search History

S72	5006	(frequency?shift\$5 or frequency near3 shift\$5) with (reference or unmodulated or un?modulated or no\$1 near3 modulated)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 15:51
S73	123	(frequency?shift\$5 or frequency near3 shift\$5) with (reference or unmodulated or un?modulated or no\$1 near3 modulated) and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 15:52
S74	75	(frequency?shift\$5 or frequency near3 shift\$5) near6 (reference or unmodulated or un?modulated or no\$1 near3 modulated) and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 16:29
S75	20	S74 and unmodulated	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 16:40
S76	9	S74 and unmodulated same (mux or muxed or multiplex\$5 or combin\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 16:44
S77	51	(unmodulat\$5 or coherent) same (frequency?shift\$5 or frequency near3 shift\$5) same (mux\$3 or muxed or multiplex\$5 or combin\$5 or split\$5 or de?mux\$3 or demux\$3 or demultiplex\$3) and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 16:48
S78	49	S77 not hrl	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 16:46
S79	41	(unmodulat\$5 or coherent) same (frequency?shift\$5 or frequency near3 shift\$5) same (mux\$3 or muxed or multiplex\$5 or combin\$5 or de?mux\$3 or demux\$3 or demultiplex\$3) and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/06 16:48

# EAST Search History

S80	78	(US-20030227629-\$ or US-20030197917-\$ or US-20020021464-\$ or US-20030003961-\$ or US-20060269295-\$ or US-20040018018-\$ or US-20030039015-\$ or US-20030223757-\$ or US-20030002100-\$ or US-20020154355-\$ or US-20050018724-\$ or US-20050202793-\$ or US-20040080753-\$ or US-20030112442-\$ or US-20020167670-\$ or US-20050003785-\$ or US-20030142320-\$ or US-20060120730-\$ or US-20040090365-\$ or US-20040022547-\$ or US-20030063285-\$ or US-20020130255-\$ or US-20020067883-\$ or US-20040175175-\$ or US-20040165672-\$ or US-20040126057-\$).did. or (US-20040037560-\$ or US-20030161634-\$ or US-20030133641-\$ or US-20030128980-\$ or US-20040208644-\$ or US-20040109695-\$ or US-20020131112-\$ or US-20020075539-\$ or US-20020126644-\$ or US-20020105705-\$).did. or (US-7085499-\$ or US-6724783-\$ or US-6580532-\$ or US-6452546-\$ or US-6061369-\$ or US-5777778-\$ or US-5723856-\$ or US-5365361-\$ or US-5589970-\$ or US-6631019-\$ or US-5663822-\$ or US-4989201-\$ or US-7024122-\$ or US-6954422-\$ or US-5956166-\$ or US-5016242-\$ or US-5374935-\$ or US-6798796-\$ or US-7030971-\$ or US-6064507-\$ or US-5896216-\$ or US-5483368-\$ or US-4422053-\$ or US-7003231-\$ or US-6501258-\$ or US-7139545-\$). did. or (US-6487329-\$ or US-6924924-\$ or US-6466346-\$ or US-6323976-\$ or US-6381047-\$ or US-6515276-\$ or US-6614955-\$ or US-7146103-\$ or US-5995256-\$ or US-5572612-\$ or US-4777664-\$ or US-6545785-\$ or US-6377378-\$ or US-4742576-\$ or US-5416628-\$ or US-5228043-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/08 09:50
1/9/2007 5:29:47 PM	C:\Documents and Settings\kmarkowski\My Documents\EAST\Workspaces\10773945.wsp					Page 12

## EAST Search History

S81	1	"20020075539"	US-PGPUB; USPAT	OR	ON	2007/01/08 12:02
S82	1	"20050018724"	US-PGPUB; USPAT	OR	ON	2007/01/08 17:13
S83	1	"6545785".pn.	US-PGPUB; USPAT	OR	ON	2007/01/09 10:39
S84	1	"20020075539"	US-PGPUB; USPAT	OR	ON	2007/01/09 10:39
S85	1	"20050018724"	US-PGPUB; USPAT	OR	ON	2007/01/09 10:39
S86	2	S84 or S85	US-PGPUB; USPAT	OR	ON	2007/01/09 10:39
S87	2	S86 and (multiplex\$5 or mux)	US-PGPUB; USPAT	OR	ON	2007/01/09 11:11
S88	2	S86 and (intensity or modulat\$5 or amplitude)	US-PGPUB; USPAT	OR	ON	2007/01/09 11:18

## EAST Search History

S89	78	(US-20030227629-\$ or US-20030197917-\$ or US-20020021464-\$ or US-20030003961-\$ or US-20060269295-\$ or US-20040018018-\$ or US-20030039015-\$ or US-20030223757-\$ or US-20030002100-\$ or US-20020154355-\$ or US-20050018724-\$ or US-20050202793-\$ or US-20040080753-\$ or US-20030112442-\$ or US-20020167670-\$ or US-20050003785-\$ or US-20030142320-\$ or US-20060120730-\$ or US-20040090365-\$ or US-20040022547-\$ or US-20030063285-\$ or US-20020130255-\$ or US-20020067883-\$ or US-20040175175-\$ or US-20040165672-\$ or US-20040126057-\$).did. or (US-20040037560-\$ or US-20030161634-\$ or US-20030133641-\$ or US-20030128980-\$ or US-20040208644-\$ or US-20040109695-\$ or US-20020131112-\$ or US-20020075539-\$ or US-20020126644-\$ or US-20020105705-\$).did. or (US-7085499-\$ or US-6724783-\$ or US-6580532-\$ or US-6452546-\$ or US-6061369-\$ or US-5777778-\$ or US-5723856-\$ or US-5365361-\$ or US-5589970-\$ or US-6631019-\$ or US-5663822-\$ or US-4989201-\$ or US-7024122-\$ or US-6954422-\$ or US-5956166-\$ or US-5016242-\$ or US-5374935-\$ or US-6798796-\$ or US-7030971-\$ or US-6064507-\$ or US-5896216-\$ or US-5483368-\$ or US-4422053-\$ or US-7003231-\$ or US-6501258-\$ or US-7139545-\$). did. or (US-6487329-\$ or US-6924924-\$ or US-6466346-\$ or US-6323976-\$ or US-6381047-\$ or US-6515276-\$ or US-6614955-\$ or US-7146103-\$ or US-5995256-\$ or US-5572612-\$ or US-4777664-\$ or US-6545785-\$ or US-6377378-\$ or US-4742576-\$ or US-5416628-\$ or US-5228043-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/09 11:18
1/9/2007 5:29:47 PM		US-4742576-\$ or US-5416628-\$ or US-5228043-\$).did.				Page 14

## EAST Search History

S90	44	S89 and (intensity near4 modulât\$6 or amplitude near4 modulât\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/09 11:18
S91	12	S89 and (intensity near4 modulât\$6 or amplitude near4 modulât\$5) and (inject\$4 near4 lock\$4 or injection?lock\$5 or ocg or comb near3 generat\$5 or optic\$3 near2 comb)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/09 12:57
S92	1	"20040258420"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/09 12:57